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United States Department of Agriculture,

WASHINGTON, D. C., May 30, 1914.

MONTHLY LIST OF PUBLICATIONS.

[MAY, 1914.]

No publications are sold by the Department of Agriculture; therefore do not send money to this office.

Copies of publications listed herein will be sent free upon application to the Editor and Chief, Division of Publications, Department of Agriculture, Washington, D. C., as long as the supply lasts.

When this department's supply is exhausted publications can be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

REPORTS.

Yearbook of the U. S. Department of Agriculture, 1913. Pp. 541, pls. 54, figs. 21, frontispiece. Price, cloth, 75 cents.

The Yearbook contains the annual report of the Secretary of Agriculture. 74 pages; 14 miscellaneous articles, 291 pages; an appendix, 150 pages; and index, 27 pages. The Appendix contains lists of agricultural colleges, experiment stations, and of officials in charge of agricultural interests in the several States, and statistical tables covering production, prices, exports, and imports of the principal crops and farm animals.

Only 6 out of each 100 copies of the Yearbook are assigned to this Department, which is insufficient to supply even its regular correspondents and co-workers. Other applicants are therefore respectfully referred to their Representatives or Delegates in Congress, to whom the other 94 per cent are allotted for distribution, or to the Superintendent of Documents, Government Printing Office, Washington, D. C., who has it for sale at 75 cents per copy.

Annual Report of the Porto Rico Agricultural Experiment Station for 1913. Pp. 34, pls. 3. Price, 5 cents.

SERIALS.

Journal of Agricultural Research. Vol. 2. No. 2. May, 1914. Contents: Behavior of Cup Current Meters Under Conditions not Covered by Standard Ratings. By Fred C. Scobey.—Eremocitrus, A New Genus of Hardy, Drought-resistant Citrous Fruits from Australia. By Walter T. Swingle.—Relation of Bacterial Transformations of Soil Nitrogen to Nutrition of Citrous Plants. By Karl F. Kellerman and R. C. Wright.—Aroma of Hops: A Study of the Volatile Oil with Relation to the Geographical Sources of the Hops. By Frank Rabak.—Lesser Bud-Moth. By E. W. Scott and J. H. Paine.—Two New Wood-destroying Fungi. By James R. Weir. Pp. 77, pls. 8-10, figs. 28. Price, 25 cents.

NOTE.—THE JOURNAL OF AGRICULTURAL RESEARCH will be distributed free *only* to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$2.50 per year, 12 numbers.

Experiment Station Record, Vol. XXX, No. 6. Abstract Number. E. W. Allen, Ph. D., Editor. Pp. 501-600. Price, 15 cents.

The RECORD contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, 10 numbers each, at \$1 a volume.

SERVICE AND REGULATORY ANNOUNCEMENTS.

NOTE.—Contain information, instructions, and notices of a regulatory nature. Issued monthly by certain bureaus. Free distribution limited to individuals, firms, establishments, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, at 5 cents each.

Bureau of Animal Industry. April, 1914. Pp. 45–56. May 22, 1914.

Bureau of Chemistry. March, 1914. Pp. 109–200. May 12, 1914.

Same, April, 1914. Pp. 201–206. May 22, 1914.

Federal Horticultural Board. April, 1914. Pp. 19–22. May 18, 1914.

Insecticide and Fungicide Board. April, 1914. Pp. 31–50. May 28, 1914.

Bureau of Plant Industry. April, 1914. Pp. 7. May 27, 1914.

SOIL SURVEYS.

Soil Survey of Conecuh County, Alabama. By L. Cantrell and R. A. Winston, of the U. S. Department of Agriculture, and F. W. Kolb, of the Alabama Department of Agriculture and Industries. Pp. 48, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Covington County, Alabama. By R. T. Avon Burke, of the U. S. Department of Agriculture, and A. M. O'Neal, jr., W. E. Wilkinson, N. Eric Bell, and J. B. Wilkinson, of the Alabama Department of Agriculture and Industries. Pp. 37, pl. 1, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Boone County, Indiana. By W. E. Tharp, of the U. S. Department of Agriculture, and E. J. Quinn, of the Indiana Department of Geology. Pp. 39, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Montgomery County, Indiana. By Grove B. Jones, of the U. S. Department of Agriculture, and C. H. Orahod, of the Indiana Department of Geology. Pp. 26, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

Soil Survey of Barton County, Missouri. By H. H. Krusekopf, of the University of Missouri, and Floyd S. Bucher, of the U. S. Department of Agriculture. Pp. 28, fig. 1, map. (From F. O. Soils, 1912.) Price, 15 cents.

BULLETINS.

The Topographic Features of the Desert Basins of the United States with Reference to the Possible Occurrence of Potash. By E. E. Free, Scientist in Fertilizer Investigations. Pp. 65, pls. 6, map. Contribution from the Bureau of Soils. (Professional Paper.) May 8, 1914. (Department Bulletin 54.) Price, 25 cents.

This paper describes a topographical examination which has been made of the desert basins of the United States, with a view to the possible discovery of potash in commercial quantities, and is intended particularly for those interested in the production of fertilizers.

Suitability of Longleaf Pine for Paper Pulp. By Henry E. Surface, Chemical Engineer in Forest Products, and Robert E. Cooper, Chemist in Forest Products. Pp. 26. Contribution from the Forest Service. May 29, 1914. (Department Bulletin 72.) Price, 5 cents.

Report of a series of tests in cooperation with the University of Wisconsin, undertaken, (1) to determine the suitability of the southern pines for paper pulps, (2) to ascertain the effects of varying cooking conditions in the sulphate process of pulp making, (3) to compare the sulphate process with the soda process.

Rocky Mountain Mine Timbers. By Norman de W. Betts, Engineer in Forest Products, Forest Products Laboratory. Pp. 34, figs. 7. Contribution from the Forest Service. (Professional Paper.) May 7, 1914. (Department Bulletin 77.) Price, 5 cents.

This paper is of interest to miners and producers of mine timbers and will be suitable for distribution in Idaho, Montana, Wyoming, Colorado, Nevada, Arizona, and New Mexico.

The So-called Tobacco Wireworm in Virginia. By G. A. Runner, Entomological Assistant, Southern Field Crop Insect Investigations. Pp. 30, pls. 2, figs. 5. Contribution from the Bureau of Entomology. (Professional Paper.) May 18, 1914. (Department Bulletin 78.) Price, 5 cents.

This bulletin is descriptive of an insect enemy of tobacco and corn. Of especial interest in the eastern tobacco and corn districts.

The Control of the Codling Moth in the Pecos Valley in New Mexico. By A. L. Quaintance, in Charge of Deciduous Fruit Insect Investigations. Pp. 8, figs. 4. Contribution from the Bureau of Entomology. Apr. 30, 1914. (Department Bulletin 88.) Price, 5 cents.

This bulletin describes the codling moth as it affects fruit growing in the Pecos Valley, N. Mex. It is of interest to fruit growers in the Southwest.

The Death of Chestnuts and Oaks Due to *Armillaria mellea*. By W. H. Long, Forest Pathologist, Office of Investigations in Forest Pathology. Pp. 8, pls. 2. Contribution from the Bureau of Plant Industry. (Professional Paper.) May 22, 1914. (Department Bulletin 89.) Price, 5 cents.

A record of the results of field investigations of the condition of chestnut and oak in Chenango County, N. Y.

The Rose Aphis. By H. M. Russell, Entomological Assistant, Truck Crop and Stored Product Insect Investigations. Pp. 15, pls. 3, figs. 4. Contribution from the Bureau of Entomology. May 19, 1914. (Department Bulletin 90.) Price, 5 cents.

This bulletin is of interest to rose growers everywhere.

Cost and Method of Clearing Land in the Lake States. By Harry Thompson, Agriculturist, and Earl D. Strait, Scientific Assistant, Office of Farm Management. Pp. 25, figs. 10. Contribution from the Bureau of Plant Industry. May 16, 1914. (Department Bulletin 91.) Price, 5 cents.

This bulletin gives details of cost and methods of clearing land in the Lake States and is of special interest to settlers in the logged-off sections of Michigan, Wisconsin, and Minnesota.

Destruction of Germs of Infectious Bee Diseases by Heating. By G. F. White, M. D., Ph. D., Expert Engaged in the Investigation of Bee Diseases. Pp. 8. Contribution from the Bureau of Entomology. May 15, 1914. (Department Bulletin 92.) Price, 5 cents.

This paper is of interest to beekeepers in all parts of the United States; it was read before the New York State Beekeepers' Association, February 10, 1914, at Ithaca, N. Y.

Tobacco Insects in Hawaii. By D. F. Fullaway, Entomologist. Pp. 20, figs. 9. May 25, 1914. (Bulletin 34, Hawaii Agricultural Experiment Station.) Price, 5 cents.

Porto Rican Beekeeping. By E. F. Phillips, Ph. D., In Charge, Bee Culture Investigations, Bureau of Entomology, U. S. Department of Agriculture. Pp. 24, pls. 2. (Bulletin 15, Porto Rico Agricultural Experiment Station.) Price, 5 cents.

Bighead in Sheep. By H. J. Frederick, Veterinarian, Utah Agricultural Experiment Station. Pp. 6. Contribution from the Bureau of Animal Industry. May 4, 1914.

This paper gives the results of investigations made by cooperation between the Utah Agricultural Experiment Station and the Bureau of Animal Industry of the United States Department of Agriculture.

Effects of Tick Eradication on the Cattle Industry of the South. By W. F. Ward, Senior Animal Husbandman, Animal Husbandry Division, Bureau of Animal Industry. Pp. 26, figs. 8.

This paper details the recent improvements in the cattle and pastures in the tick-free areas of the Southern States and suggests methods of improvement which should be adopted as soon as the ticks have been eradicated from any section. Intended for distribution in the tick-infested region.



FARMERS' BULLETINS.

Breeds of Sheep for the Farm. By F. R. Marshall, Senior Animal Husbandman in Sheep and Goat Investigations, Animal Husbandry Division. Pp. 16, figs. 10. Contribution from the Bureau of Animal Industry. May 2, 1914. (Farmers' Bulletin 576.)

Discusses the breeds in a way to enable those not familiar with them to know which are likely to meet their requirements.

The Making and Feeding of Silage. Contents: Making and Feeding Silage. By T. E. Woodward.—Silage for Horses. By George M. Rommel.—Silage for Beef Cattle. By W. F. Ward.—Silage for Sheep. By E. L. Shaw. Pp. 24, figs. 6. Contribution from the Bureau of Animal Industry. May 18, 1914. (Farmers' Bulletin 578.)

Gives methods and costs of growing and harvesting silage, feeding value, and instructions for filling the silo. Adapted for general circulation. Supersedes Farmers' Bulletin 556.

Uses for Chestnut Timber Killed by the Bark Disease. By J. C. Nellis, Forest Examiner, Forest Service. Pp. 24, figs. 8. Contribution from the Forest Service in cooperation with the Bureau of Plant Industry. May 16, 1914. (Farmers' Bulletin 582.)

This bulletin contains important information as to the utilization that may be made of chestnut timber killed by the bark disease and should be especially valuable to woodlot owners throughout the region affected.

The Common Mole of the Eastern United States. By Theo. H. Scheffer, Assistant Biologist. Pp. 10, figs. 4. Contribution from the Bureau of Biological Survey. May 14, 1914. (Farmers' Bulletin 583.)

This bulletin treats of the mole east of the one hundredth meridian. It contains an account of its habits, the nature of the damages committed by it, and the methods employed for its destruction. It also seeks to remove some popular misconceptions concerning this little animal. It is of interest to gardeners, lawn makers, caretakers of parks and cemeteries, etc.

Natural and Artificial Incubation of Hens' Eggs. By Harry M. Lamon, Senior Animal Husbandman in Poultry Investigations, Animal Husbandry Division. Pp. 16, figs. 3. Contribution from the Bureau of Animal Industry. May 5, 1914. (Farmers' Bulletin 585.)

Describes incubation, natural and artificial. Of interest to poultry raisers everywhere.

The Agricultural Outlook. Contribution from the Bureau of Statistics (Crop Estimates). Pp. 21. May 22, 1914. (Farmers' Bulletin 598.)

Reports condition of winter wheat, rye, hay, pastures, and spring plowing. Statistics of sugar and cotton crop of 1913.

SEPARATES.

Health Laws. By Francis G. Caffey, Solicitor, U. S. Department of Agriculture. Pp. 125-134. (Separate 619, Yearbook, 1913.) Price, 5 cents.

The South American Meat Industry. By A. D. Melvin, Chief of the Bureau of Animal Industry. Pp. 347-364, pls. 8. (Separate 629, Yearbook 1913.) Price, 5 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Report of the Chief of the Weather Bureau, 1912-13. Pp. 252, charts 4.

National Weekly Weather Bulletin Nos. 7, 8, 9, 10, for May, 1914, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. (Weekly April-September, Monthly remainder of year.) Price, 25 cents a year.

JOS. A. ARNOLD,
Editor and Chief Division of Publications.

